If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.6.g 6 O'Clock (PEER 7) Power-Up Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.6		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

V. Castillo

4.120.6.g 6 O'Clock (PEER 7) Power-Up Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ Checksum: _____

Division B Software Filename and Checksum: Title:_____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: _____/____/_____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number:_____

Test Team Leader's Name (Sign): _____ Date: _____/____/_____

Test results reviewed by:

Safety Section Head's Name (Print):_____ Life Number: _____

Safety Section Head's Name (Sign):_____ Date: _____/____/_____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print):_____ Life Number: _____

RSC Member's Name (Sign):_____ Date: _____/____/_____

1.1	**PLACE**	**Peer 7** in **Mode 16**	
☐	**VERIFY**	**Peer 7** is in **Controlled Access**	**MODE 16**
	RESET	**Peer 7 gates:** 5GS1, 5EL1, 5GE1, 5ED1, 6GE1, 6GE2, 6MD1, 6ED1, 6GE3, 6EL1, 6ED2	
☐	**VERIFY**	**Peer 7 gates:** ☐ 5GS1, ☐ 5EL1, ☐ 5GE1, ☐ 5ED1, ☐ 6GE1, ☐ 6GE2, ☐ 6MD1, ☐ 6ED1, ☐ 6GE3, ☐ 6EL1, ☐ 6ED2 are	**RESET**
	SWEEP	**Peer 7 Zones:** 5Z1, 6Z1, 6Z2	
☐	**VERIFY**	**Peer 7 Zones:** ☐ 5Z1, ☐ 6Z1, ☐ 6Z2 are	**SWEPT**
	PLACE	**Peer 7** in **Mode 24**	
☐	**VERIFY**	**Peer 7** is in **No Access**	**MODE 24**
1.2	**TEST**	**Division A PLC** for **Power-up** conditions	
	TURN OFF	**AC Power** to the **Peer 7 Division A PLC**	
☐	**VERIFY**	**AC Power** to the **Peer 7 Division A PLC** is	**TURNED OFF**
	WAIT	**30 Seconds**	
	TURN ON	**AC Power** to the **Peer 7 Division A PLC**	
☐	**VERIFY**	**AC Power** to the **Peer 7 Division A PLC** is	**TURNED ON**
☐	**VERIFY**	**MCR** sees **Peer 7 Division A PLC** come up in	**MODE 2**
	RESET	**Div A** Hardware **Faults**	
☐	**VERIFY**	**Div A** Hardware **Faults** are	**RESET**
☐	**VERIFY**	**MCR** sees **Div A RHIC Injection Critical Device**	**RCI**
☐	**VERIFY**	**MCR** sees **Div A RHIC Critical Device** is	**RC**
☐	**VERIFY**	**MCR** sees **Div A Permit Link** is	**INHIBITED**
☐	**VERIFY**	**MCR** sees **Peer 7 Div A gates:** ☐ 5GS1, ☐ 5EL1, ☐ 5GE1, ☐ 5ED1, ☐ 6GE1, ☐ 6GE2, ☐ 6MD1, ☐ 6ED1, ☐ 6GE3, ☐ 6EL1, ☐ 6ED2 are	**NOT RESET**
☐	**VERIFY**	**MCR** sees **Peer 7 Div A Crash Systems** are	**NOT CRASHED**
☐	**VERIFY**	**MCR** sees **Peer 7 Div A Zones** are	**NOT SWEPT**
☐	**VERIFY**	**MCR** sees **Peer 7 Div B:** ☐ Mode, ☐ H/W Faults, ☐ RHIC Inj CD, ☐ RHIC CD, ☐ Perm. Link, ☐ Gates, ☐ Crash , ☐ Zones	**NO CHANGE**
	PLACE	**Peer 7** in **Mode 16**	
☐	**VERIFY**	**Peer 7** is in **Controlled Access**	**MODE 16**
	RESET	**Peer 7 Div A gates:** 5GS1, 5EL1, 5GE1, 5ED1, 6GE1, 6GE2, 6MD1, 6ED1, 6GE3, 6EL1, 6ED2	
☐	**VERIFY**	**Peer 7 Div A gates:** ☐ 5GS1, ☐ 5EL1, ☐ 5GE1, ☐ 5ED1, ☐ 6GE1, ☐ 6GE2, ☐ 6MD1, ☐ 6ED1, ☐ 6GE3, ☐ 6EL1, ☐ 6ED2 are	**RESET**
	SWEEP	**Peer 7 Div A Zones:** 5Z1, 6Z1, 6Z2	
☐	**VERIFY**	**Peer 7 Div A Zones:** ☐ 5Z1, ☐ 6Z1, ☐ 6Z2 are	**SWEPT**
	PLACE	**Peer 7** in **Mode 24**	
☐	**VERIFY**	**Peer 7** is in **No Access**	**MODE 24**

☐ **Check for test acceptance of Division A PLC** for **Power-up** conditions

1.3		**TEST**	**Division B PLC** for **Power-up** conditions	
		TURN OFF	**AC Power** to the **Peer 7 Division B PLC**	
	☐	**VERIFY**	**AC Power** to the **Peer 7 Division B PLC** is	**TURNED OFF**
		WAIT	**30 Seconds**	
		TURN ON	**AC Power** to the **Peer 7 Division B PLC**	
	☐	**VERIFY**	**AC Power** to the **Peer 7 Division B PLC** is	**TURNED ON**
	☐	**VERIFY**	**MCR** sees **Peer 7 Division B PLC** come up in	**MODE 2**
		RESET	**Div B** Hardware **Faults**	
	☐	**VERIFY**	**Div B** Hardware **Faults** are	**RESET**
	☐	**VERIFY**	**MCR** sees **Div B RHIC Injection Critical Device**	**RCI**
	☐	**VERIFY**	**MCR** sees **Div B RHIC Critical Device** is	**RC**
	☐	**VERIFY**	**MCR** sees **Div B Permit Link** is	**INHIBITED**
	☐	**VERIFY**	**MCR** sees **Peer 7 Div B gates:** ☐ 5GS1, ☐ 5EL1, ☐ 5GE1, ☐ 5ED1, ☐ 6GE1, ☐ 6GE2, ☐ 6MD1, ☐ 6ED1, ☐ 6GE3, ☐ 6EL1, ☐ 6ED2 are	**NOT RESET**
	☐	**VERIFY**	**MCR** sees **Peer 7 Div B Crash Systems** are	**NOT CRASHED**
	☐	**VERIFY**	**MCR** sees **Peer 7 Div B Zones** are	**NOT SWEPT**
	☐	**VERIFY**	**MCR** sees **Peer 7 Div A:** ☐ Mode, ☐ H/W Faults, ☐ RHIC Inj CD, ☐ RHIC CD, ☐ Perm. Link, ☐ Gates, ☐ Crash , ☐ Zones	**NO CHANGE**
		PLACE	**Peer 7** in **Mode 16**	
	☐	**VERIFY**	**Peer 7** is in **Controlled Access**	**MODE 16**
		RESET	**Peer 7 Div B gates:** 5GS1, 5EL1, 5GE1, 5ED1, 6GE1, 6GE2, 6MD1, 6ED1, 6GE3, 6EL1, 6ED2	
	☐	**VERIFY**	**Peer 7 Div B gates:** ☐ 5GS1, ☐ 5EL1, ☐ 5GE1, ☐ 5ED1, ☐ 6GE1, ☐ 6GE2, ☐ 6MD1, ☐ 6ED1, ☐ 6GE3, ☐ 6EL1, ☐ 6ED2 are	**RESET**
		SWEEP	**Peer 7 Div B Zones:** 5Z1, 6Z1, 6Z2	
	☐	**VERIFY**	**Peer 7 Div B Zones:** ☐ 5Z1, ☐ 6Z1, ☐ 6Z2 are	**SWEPT**

☐ **Check for test acceptance of Division B PLC** for **Power-up** conditions

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: _____/____/_____

TTL: Sign for completion of final testing: _____

Date: _____/_____/_____